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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/613,118	07/07/2003	Blaine D. Johs		8021
75	90 02/23/2006		EXAMINER	
JAMES D. WELCH			PHAM, HOA Q	
10328 PINEHURST AVE. OMAHA, NE 68124			ART UNIT	PAPER NUMBER
,			2877	
			DATE MAILED: 02/23/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
Office Action Summany	10/613,118	JOHS ET AL.			
Office Action Summary	Examiner	Art Unit			
	Hoa Q. Pham	2877			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	_•				
2a) This action is FINAL . 2b) This	action is non-final.				
3) Since this application is in condition for allowar)⊠ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 1-30 is/are pending in the application. 4a) Of the above claim(s) 29 is/are withdrawn fr 5) ☐ Claim(s) 1-28 and 30 is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or					
Application Papers					
9) ☐ The specification is objected to by the Examiner 10) ☑ The drawing(s) filed on <u>07 July 2003</u> is/are: a) ☑ Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Ex	☑ accepted or b) ☐ objected to b drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of the certified copies 	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No d in this National Stage			
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/7/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa				

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DETAILED ACTION

Drawings

1. Drawings filed on 7/7/03 have been approved.

Election/Restrictions

2. Applicant's election with traverse of species (a) (claims 1-28 and 30) in the reply filed on 12/12/05 is acknowledged. The traversal is on the ground(s) that claim 29 recites structure of Fig. 3d which is similar to elected claims. This is not found persuasive because claim 29 recites structure of Fig. 3a-3d, while claims 1-28 and 30 recite structure of figure 1b.

The requirement is still deemed proper and is therefore made FINAL.

- 3. This application is in condition for allowance except for the following formal matters:
- a. Claim 1, line 11, there is no antecedent basis for "said at least first means", this should be changed to -- said means --.
- b. Claim 2 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 2 depends on claim 1 recites that "non of said plurality of electromagnetic radiation source has polarization state setting means functionally associated therewith", while claim

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recites that "each thereof optionally having polarization state setting means functionally associated therewith".

- c. Claim 3, line 7, there is no antecedent basis for "said source of polychromatic electromagnetic radiation".
 - d. Claim 7, line 11, "beign" should be changed to -begin--.
- e. Claim 8, line 14, "said at least first means" should be changed to said means--.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Allowable Subject Matter

4. Claims 1-28 and 30 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

There was no prior art found by the examiner that suggested modification or combination with the cited art so as to satisfy the combination of all the limitations in claims 1, 8, 11, 21, and 22.

As to claims 1 and 8, the prior art of record, taken alone or in combination, fails to disclose or render limitations "a plurality of electromagnetic radiation source, each thereof optionally having polarization state setting means functionally associated

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therewith and means for accepting at least two electromagnetic beams which approach along different loci, and providing an electromagnetic beam which exits therefrom along a single locus", in combination with the rest of the limitations of claims 1 and 8.

As to claim 11, the prior art of record, taken alone or in combination, fails to disclose or render limitations "at least a first and second source of electromagnetic radiation source, each thereof optionally having polarization state setting means functionally associated therewith" and "said at least a first electromagnetic beam combining means being positioned with respect to first and second sources of electromagnetic radiation such that a polarized beam of electromagnetic radiation from said first source of electromagnetic radiation, when it is energized passes through said at least a first electromagnetic beam combining means, and such that a polarized beam of electromagnetic radiation from said second source of electromagnetic radiation when it is energized, reflects from said at least a first electromagnetic beam combining means", in combination with the rest of the limitations of claim 11.

As to claim 21, the prior art of record, taken alone or in combination, fails to disclose or render limitations "at least a first and a second source of electromagnetic radiation, each thereof having polarization state setting means functionally associated therewith, said polarization state setting means functionally associated with said first and said second sources of

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electromagnetic radiation being at azimuthal orientations offset from one another", in combination with the rest of the limitations of claim 21.

As to claims 22, the prior art of record, taken alone or in combination, fails to disclose or render limitations "first, second, third and fourth sources of electromagnetic radiation, each thereof having polarization state setting means functionally associated therewith, said polarization state setting means functionally associated with said first second, third and fourth sources of electromagnetic radiation being at orientations offset from one another", in combination with the rest of the limitations of claim 22.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Following references relate to spectroscopic ellipsometer and polarimeter systems: Johs et al (5,963,325; 5,946,098; 6,084,674; 5,666,201; 6,100,981; 6,118,537; 6,141,102); Herzinger et al (6,084,675) and Thompson et al (5,706,212).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoa Q. Pham whose telephone number is (571) 272-2426. The examiner can normally be reached on 7:30AM to 6 PM, Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on (571) 272-2800 ext. 77. The fax

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phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

⊮oal⁄Q. Pham Primary Examiner Art Unit 2877

HP February 20, 2006